Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/16/2018 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125540	0	2.21	125594	2.17
Blue	F	SSC	125000	123506	-2	2.08	124223	2.06
Blue	E	FITC	15760	15436	-3	3.06	334	22.33
Blue	D	PE	25880	25058	-4	2.13	546	17.06
Blue	B	PerCP-Cy5-5	34075	34096	0	4.36	1040	23.71
Blue	A	PE-Cy7	22776	22945	0	7.61	553	46.99
Red	C	APC	42488	41735	-2	2.72	1573	13.50
Red	A	APC-Cy7	24478	23751	-3	2.83	814	12.93
Violet	B	V450	6304	6121	-3	4.22	339	17.49
Violet	A	V500	26005	24825	-5	3.79	581	13.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20890	10.70	611	14	N/A	N/A	Pass
Blue	F	SSC	56086	1.47	580	25	N/A	N/A	Pass
Blue	E	FITC	58	74.13	565	9	0.0160	196	Pass
Blue	D	PE	113	58.57	558	9	0.1206	281	Pass
Blue	B	PerCP-Cy5-5	195	57.19	660	13	0.0067	50	Pass
Blue	A	PE-Cy7	106	117.05	714	17	0.0084	24	Pass
Red	C	APC	370	27.95	603	3	0.0191	81	Pass
Red	A	APC-Cy7	198	29.12	573	2	0.0048	1227	Pass
Violet	B	V450	53	84.72	499	10	0.0321	2932	Pass
Violet	A	V500	86	43.99	515	9	0.0122	743	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.30	-31.05	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.40
Red	15.92	13.60 - 20.40	N/A	N/A	31.27	31.49	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14000

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments